

T. Nesselndorf

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TECH CENTER 1627

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/579,894

DATE: 09/14/2000  
TIME: 10:36:45

Input Set : A:\0933-159.app  
Output Set: N:\CRF3\09142000\I579894.raw

3 <110> APPLICANT: SAKSELA, Kalle  
4 HIIPAKKA, Marita  
6 <120> TITLE OF INVENTION: Methods and materials for generating SH3 domains with  
7 tailored binding properties  
9 <130> FILE REFERENCE: 0933-0159P  
11 <140> CURRENT APPLICATION NUMBER: 09/579,894  
12 <141> CURRENT FILING DATE: 2000-05-26  
14 <150> PRIOR APPLICATION NUMBER: 60/136,085  
15 <151> PRIOR FILING DATE: 1996-05-26  
17 <160> NUMBER OF SEQ ID NOS: 32  
19 <170> SOFTWARE: PatentIn Ver. 2.1  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 5  
23 <212> TYPE: PRT  
24 <213> ORGANISM: Homo sapiens  
26 <220> FEATURE:  
27 <223> OTHER INFORMATION: consensus motif of SH3 domains  
29 <400> SEQUENCE: 1  
30 Ala Leu Tyr Asp Tyr  
31 1 5  
34 <210> SEQ ID NO: 2  
35 <211> LENGTH: 6  
36 <212> TYPE: PRT  
37 <213> ORGANISM: Homo sapiens  
39 <220> FEATURE:  
40 <223> OTHER INFORMATION: amino acids 14-19 of the human Nck protein  
42 <400> SEQUENCE: 2  
43 Val Ala Gln Gln Glu Gln  
44 1 5  
47 <210> SEQ ID NO: 3  
48 <211> LENGTH: 6  
49 <212> TYPE: PRT  
50 <213> ORGANISM: Mus sp.  
52 <220> FEATURE:  
53 <223> OTHER INFORMATION: amino acids 794-799 of the C-terminal SH3 domain  
54 of mouse Vav1 protein  
56 <400> SEQUENCE: 3  
57 Cys Ala Arg Asp Arg Ser  
58 1 5  
61 <210> SEQ ID NO: 4  
62 <211> LENGTH: 78  
63 <212> TYPE: DNA  
64 <213> ORGANISM: Artificial Sequence  
66 <220> FEATURE:  
67 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer  
69 <220> FEATURE:  
70 <221> NAME/KEY: unsure

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71 <222> LOCATION: (..) 60  
 72 <223> OTHER INFORMATION: any n = c, g, a, t 78  
 74 <400> SEQUENCE: 4  
 75 attctgcagg aattcgtggt tgccctgtat gattatnnnn nknsnnknn knsgacctc  
 76 agcttccaga agggggac  
 79 <210> SEQ ID NO: 5  
 80 <211> LENGTH: 6  
 81 <212> TYPE: PRT  
 82 <213> ORGANISM: Homo sapiens  
 84 <220> FEATURE:  
 85 <223> OTHER INFORMATION: amino acid residues 69-74 of human p59 Hck protein  
 87 <400> SEQUENCE: 5  
 88 Glu Ala Ile His His Glu  
 89 1 5  
 92 <210> SEQ ID NO: 6  
 93 <211> LENGTH: 6  
 94 <212> TYPE: PRT  
 95 <213> ORGANISM: Artificial Sequence  
 97 <220> FEATURE:  
 98 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
 99 RT-loop sequence  
 101 <400> SEQUENCE: 6  
 102 Val Ser Trp Ser Pro Asp  
 103 1 5  
 106 <210> SEQ ID NO: 7  
 107 <211> LENGTH: 6  
 108 <212> TYPE: PRT  
 109 <213> ORGANISM: Artificial Sequence  
 111 <220> FEATURE:  
 112 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
 113 RT-loop sequence  
 115 <400> SEQUENCE: 7  
 116 Phe Ser Trp Ser Asp Thr  
 117 1 5  
 120 <210> SEQ ID NO: 8  
 121 <211> LENGTH: 6  
 122 <212> TYPE: PRT  
 123 <213> ORGANISM: Artificial Sequence  
 125 <220> FEATURE:  
 126 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
 127 RT-loop sequence  
 129 <400> SEQUENCE: 8  
 130 Asp Ser Trp Ser Thr Ser  
 131 1 5  
 134 <210> SEQ ID NO: 9  
 135 <211> LENGTH: 6  
 136 <212> TYPE: PRT  
 137 <213> ORGANISM: Artificial Sequence  
 139 <220> FEATURE:

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140 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
141 RT-loop sequence  
143 <400> SEQUENCE: 9  
144 Tyr Ser Trp Ser Asp Met  
145 1 5  
148 <210> SEQ ID NO: 10  
149 <211> LENGTH: 6  
150 <212> TYPE: PRT  
151 <213> ORGANISM: Artificial Sequence  
153 <220> FEATURE:  
154 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
155 RT-loop sequence  
157 <400> SEQUENCE: 10  
158 Trp Ser Pro Phe Pro Ser  
159 1 5  
162 <210> SEQ ID NO: 11  
163 <211> LENGTH: 6  
164 <212> TYPE: PRT  
165 <213> ORGANISM: Artificial Sequence  
167 <220> FEATURE:  
168 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
169 RT-loop sequence  
171 <400> SEQUENCE: 11  
172 Asp Ser Pro Phe Ser Phe  
173 1 5  
176 <210> SEQ ID NO: 12  
177 <211> LENGTH: 6  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Artificial Sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
183 RT-loop sequence  
185 <400> SEQUENCE: 12  
186 Phe Ser Pro Phe Ser Phe  
187 1 5  
190 <210> SEQ ID NO: 13  
191 <211> LENGTH: 6  
192 <212> TYPE: PRT  
193 <213> ORGANISM: Artificial Sequence  
195 <220> FEATURE:  
196 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
197 RT-loop sequence  
199 <400> SEQUENCE: 13  
200 Phe Ser Pro Phe Asp Trp  
201 1 5  
204 <210> SEQ ID NO: 14  
205 <211> LENGTH: 6  
206 <212> TYPE: PRT  
207 <213> ORGANISM: Artificial Sequence

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209 <220> FEATURE:  
210 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
211 RT-loop sequence  
213 <400> SEQUENCE: 14  
214 Ser Ser Pro Phe Asp Trp  
215 1 5  
218 <210> SEQ ID NO: 15  
219 <211> LENGTH: 6  
220 <212> TYPE: PRT  
221 <213> ORGANISM: Artificial Sequence  
223 <220> FEATURE:  
224 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
225 RT-loop sequence  
227 <400> SEQUENCE: 15  
228 Tyr Ser Pro Phe Ser Trp  
229 1 5  
232 <210> SEQ ID NO: 16  
233 <211> LENGTH: 6  
234 <212> TYPE: PRT  
235 <213> ORGANISM: Artificial Sequence  
237 <220> FEATURE:  
238 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
239 RT-loop sequence  
241 <400> SEQUENCE: 16  
242 Thr Ser Pro Phe Pro Trp  
243 1 5  
246 <210> SEQ ID NO: 17  
247 <211> LENGTH: 6  
248 <212> TYPE: PRT  
249 <213> ORGANISM: Artificial Sequence  
251 <220> FEATURE:  
252 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
253 RT-loop sequence  
255 <400> SEQUENCE: 17  
256 Tyr Ser Phe Phe Pro Trp  
257 1 5  
260 <210> SEQ ID NO: 18  
261 <211> LENGTH: 6  
262 <212> TYPE: PRT  
263 <213> ORGANISM: Artificial Sequence  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified  
267 RT-loop sequence  
269 <400> SEQUENCE: 18  
270 Tyr Ser Asp Phe Pro Trp  
271 1 5  
274 <210> SEQ ID NO: 19  
275 <211> LENGTH: 6  
276 <212> TYPE: PRT

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277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified
281     RT-loop sequence
283 <400> SEQUENCE: 19
284 Asp Ser Trp Phe Pro Trp
285     1             5
288 <210> SEQ ID NO: 20
289 <211> LENGTH: 6
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified
295     RT-loop sequence
297 <400> SEQUENCE: 20
298 Ser Ser Phe Tyr Ser Ser
299     1             5
302 <210> SEQ ID NO: 21
303 <211> LENGTH: 6
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified
309     RT-loop sequence
311 <400> SEQUENCE: 21
312 Gln Gly Phe Leu Asp Gln
313     1             5
316 <210> SEQ ID NO: 22
317 <211> LENGTH: 6
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified
323     RT-loop sequence
325 <400> SEQUENCE: 22
326 Asn Ala Phe Leu Pro Ser
327     1             5
330 <210> SEQ ID NO: 23
331 <211> LENGTH: 6
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Description of Artificial Sequence:Modified
337     RT-loop sequence
339 <400> SEQUENCE: 23
340 Glu Ala Trp Ser Pro Leu
341     1             5
344 <210> SEQ ID NO: 24
345 <211> LENGTH: 6

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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/579,894

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Input Set : A:\0933-159.app  
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L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:374 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25  
L:374 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:25  
L:394 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:26  
L:394 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:26  
L:394 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:26  
L:425 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:28  
L:425 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28  
L:425 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:28  
L:443 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:29  
L:443 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29  
L:443 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:29  
L:460 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:30  
L:460 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30  
L:460 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:30  
L:478 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:31  
L:478 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:31  
L:478 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:31  
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32